

Abstract

Radial penetrator assembly 10 conducts fluid through the passageway in the wall to a wellhead housing 18 and into a port in a tubular hanger 14 positioned within a central bore 19 in the wellhead housing. The flexible tube 22 extends between the passageway in the wellhead housing and the port in the inner member, while sleeve-shaped adapter 30 extends radially from the wellhead housing and has an adapter bore sealed to a radial passageway in the wellhead housing. A radial outer seal 64 seals between the radial outer portion of the adapter 30 and a radially outer portion of the flexible tube 22. The flexibility of the tube permits an inner portion axis with the tube to be offset or slanted with respect to an outer portion axis of the tube.